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retrieved, and is displayed inside the second data with a smaller display area. Also, in a hierarchical data display method and browser system, a display area is divided into an area where icons representing data items belonging to one level are displayed, and an area where child levels are displayed. As hierarchical depth increases, the data icons are made smaller and simpler. The hierarchical structure of a file system or data base can be displayed as a Venn diagram. Data items belonging to child levels are not hidden but displayed as reduced images, whereby intended data can be located effortlessly. A cutout form and image are registered mutually independently. An identifier, position, and size of the cutout form are specified as the attributes of the image. Thus, an image can be fetched into album software by performing a simple operation, or a cutout can be changed in size.--

IN THE CLAIMS:

Please cancel Claims 2, 4, 36-109 and 117-124 without prejudice and without disclaimer of subject matter.

Please amend Claims 1, 3, 5-8, 11, 21-26, 28, 30-35 and 110-116 as follows:

Sub B' 1. (Amended) A linked data display method for displaying data items managed with given linkages thereamong, [characterized in that] comprising the steps of:

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displaying data items included within a similar level of linkage position simultaneously in a substantially same size; and

displaying first data items, and second data items linked to said first data [are displayed] items, which are not included within the similar level of linkage position, mutually distinguishably [by determining] in different sizes [thereof] determined according to a distance of a linkage between the first and second data.

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3. (Amended) A linked data display method according to claim 1, wherein said [linked] data items [are] represent time-series data [item] ^B accumulated time-sequentially and are displayed [according to temporal distances] by regarding an interval of time as the distance of a linkage.

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5. (Amended) A time-series data display method for displaying accumulated time-series data items [time-sequentially], comprising the steps of:

[retrieving and] displaying first data items associated with a desired [date] time; and

[retrieving] displaying second data items associated with a [date] time contiguous to said desired [date; and displaying said second data distinguishably from said first data in] time so that a temporal direction

[starting with] between said desired [date] time and said contiguous time is distinguishable.

3.
6. (Amended) A time-series data display method according to claim 5, wherein said distinguishable display is such that a display screen for said second data items is displayed with a smaller size than [the] one for said first data items.

4.
7. (Amended) A time-series data display method according to claim 6, wherein said first data [is] items are displayed at an outermost position in a display screen, and said second data [is] items are displayed inside said first data items with a display area thereof made smaller.

5.
8. (Amended) A time-series data display method according to claim 7, wherein third data items associated with a [date] time contiguous to the [date] time of said second data [is] items are retrieved, and said third data [is] items are displayed inside said second data items with a display area thereof made smaller.

6.
11. (Amended) A time-series data display method according to claim 10, wherein when said zoom-in is continued for a designated period of time, said first data [is] items are moved out of a display screen, and new data associated

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A with a date contiguous to a date of data displayed at an innermost position is retrieved and displayed at said innermost position.

21. (Amended) A time-series data display method for displaying accumulated time-series data items [time-sequentially], comprising the steps of:
[accumulating] preparing data [items] accumulated in one-to-one correspondence to [dates] times of a schedule table;
displaying said schedule table; and
displaying data items associated with a desired [date] time of said schedule table responsively to designation of said desired [date] time on said schedule table.

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22. (Amended) An information processing system for displaying accumulated time-series data items [time-sequentially], comprising:
[an accumulating] a storage means for [accumulating] storing data [items] accumulated in one-to-one correspondence to [dates] times; and
a [retrieving] displaying means for [retrieving] displaying data items of a desired [date] time and data items of a [date] time contiguous to said desired [date] responsively to designation of said desired date; and

a display means for displaying said retrieved data distinguishably in] time so that a temporal direction [starting with] said desired [date] time and said contiguous time is distinguishable.

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~~23~~. (Amended) An information processing system according to claim ²⁰~~22~~, wherein said [display] displaying means displays a display screen for said data items associated with a [date] time contiguous to said desired [date] time with a smaller size than a display screen for said data items of said desired [date] time according to an elapsed time.

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~~24~~. (Amended) An information processing system according to claim ²¹~~23~~, wherein said [display] displaying means displays said data items of said desired [date] time at an outermost position in a display screen, and displays said data items of a [date] time contiguous to said desired [date] time inside said data items of said desired date with a display area therefore made smaller according to an elapsed time.

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~~25~~. (Amended) An information processing system according to claim ²⁴~~22~~, wherein said [display] displaying means includes a display limiting means for limiting a display of each [date] time to a given number of [date] data

items, and a display dividing means that when the number of data items exceeds said given number, classifies said data items in units of a finer [date] time and displays said data items mutually distinguishably.

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^{27.}
~~26.~~ (Amended) An information processing system according to claim ²⁶~~25~~, wherein said [accumulating] storage means includes a subdividing and accumulating means for subdividing a data accumulation unit into units of a finer [date for fear] time in the event that the number of data items should exceed said given number, and then accumulating data items.

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^{24.}
~~28.~~ (Amended) An information processing system according to claim ²³~~27~~, wherein when zoom-in is designated, said zoom control means moves said data of said desired [date] time out of a display screen, retrieves new data items associated with a [date] time contiguous to a [date] time of data displayed at an innermost position, and displays said new data items at said innermost position, and wherein when zoom-out is designated, said zoom control means moves said data items displayed at said innermost position out of a display screen, retrieves new data associated with a [date] time contiguous to a [date] time of data items displayed at an outermost position, and displays said new data items at said outermost position.

28.
30. (Amended) An information processing system according to claim ²⁸22, wherein said [display] displaying means includes a means for displaying graphics such as rings or squares representing [dates] times associated with displays concentrically in units of a given [date] time, and a means for displaying data items orderly in said graphics, and wherein said graphics such as rings or squares representing [dates] times associated with displays are nested and displayed together with representations of data items.

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31. (Amended) An information processing system according to claim ²⁸30, wherein said [display] displaying means displays said graphics such as rings or squares representing [dates] times associated with displays in different colors associated with said [dates] times.

30.
32. (Amended) An information processing system according to claim ²⁸30, wherein said [display] displaying means positions data items in said graphics at random.

31.
33. (Amended) An information processing system according to claim ³⁰32, wherein said [accumulating] storage means determines said random positions at the time of data registration.

~~32.~~
~~34.~~ (Amended) An information processing system according to claim ~~22~~¹⁰, wherein said [accumulated] stored time-series data items include data items [accumulated] stored in one-to-one correspondence to [dates] times of creation of data files, data items [accumulated] stored in one-to-one correspondence to [dates] times of correction of files, and data items [accumulated] stored in one-to-one correspondence to designated [dates] times registered by a user.

A⁹ Sub B² > ~~35.~~ (Amended) An information processing system for displaying accumulated time-series data items [time-sequentially], comprising:
[an accumulating] a storage means for [accumulating] storing data [items] accumulated in one-to-one correspondence to [dates] times of a schedule table;
a first display means for displaying said schedule table; and
a second display means for displaying data items associated with a desired [date] time of said schedule table responsively to designation of said desired [date of] time on of said schedule table.

A¹⁰ Sub B³ > ~~110.~~ (Amended) A computer program product comprising a computer usable medium having computer readable program code means for displaying data items managed with

given linkages thereamong, said computer program product including:

computer readable program code means for displaying data items included within a similar level of linkage position simultaneously in a substantially same size;
and

computer readable program code means for displaying first data items, and second data items linked to said first data [are displayed] items, which are not included within the similar level of linkage position, mutually distinguishably [by determining] in different sizes [thereof] determined according to a distance of a linkage between the first and second data.

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111. (Amended) A computer program product

according to claim ³⁵110, [wherein] the computer usable medium further having data linked to be used by said computer readable program code means.

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112. (Amended) A computer program product comprising a computer usable medium having computer readable program code means for displaying accumulated time-series data items [time-sequentially], said computer program product including:

computer readable program code means for [retrieving] displaying first data items associated with a

desired [date] time and second data items associated a [date] time contiguous to said desired [date; and computer readable program code means for displaying said first data, and said second data distinguishably from said first data in] time so that a temporal direction [starting with] between said desired [date] time and said contiguous time is distinguishable.

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113. (Amended) A computer program product according to claim 112, further including computer readable program code means for zooming in said first and second data items by shifting data in a direction of said second data items to said first data items and making a display area larger, and for zooming out said first and second data items by shifting data in a direction of said first data items to said second data items and making the display area smaller.

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Sub B4> 115. (Amended) A computer program product comprising a computer usable medium having computer readable program code means for displaying accumulated time-series data items [time-sequentially], said computer program product including:

computer readable program code means for [accumulating] preparing data times items accumulated in one-to-one correspondence to [dates] times of a schedule table; and

computer readable program code means for displaying said schedule table[,]; and

computer readable program code means for displaying data items associated with a desired [date] time of said schedule table responsively to designation of said desired [date] time on said schedule table.

116. (Amended) A computer program product according to claim 115, [wherein] said computer usable medium further having said schedule table.

Please add Claims 125-128 as follows:

Sub B5 > -- 125. An information processing apparatus for displaying data items managed with given linkages thereamong, comprising:

a first displaying means for displaying data items included within a similar level of linkage position simultaneously in a substantially same size; and

a second displaying means for displaying first data items, and second data items linked to said first data items, which are not included within the similar level of linkage position, mutually distinguishable in different sizes determined according to a distance of a linkage between the first and second data items.